Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/26/2020 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125586	0	2.46	125639	2.41
Blue	F	SSC	125000	125682	0	2.06	126445	2.07
Blue	E	FITC	15892	15534	-3	2.86	339	20.56
Blue	D	PE	29999	29421	-2	2.11	640	15.52
Blue	B	PerCP-Cy5-5	43732	43922	0	3.80	1177	21.03
Blue	A	PE-Cy7	30845	31130	0	6.27	593	42.05
Red	C	APC	46112	45289	-2	2.46	1602	12.41
Red	A	APC-Cy7	30458	30135	-2	2.46	794	11.97
Violet	B	V450	7918	7539	-5	4.18	426	13.96
Violet	A	V500	32171	30724	-5	3.93	717	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17447	11.69	633	12	N/A	N/A	Pass
Blue	F	SSC	57437	1.42	573	14	N/A	N/A	Pass
Blue	E	FITC	61	65.51	549	6	0.0188	125	Pass
Blue	D	PE	134	50.47	555	7	0.1349	214	Pass
Blue	B	PerCP-Cy5-5	215	52.04	663	7	0.0085	69	Pass
Blue	A	PE-Cy7	111	106.44	706	8	0.0104	25	Pass
Red	C	APC	383	25.25	588	4	0.0226	82	Pass
Red	A	APC-Cy7	175	29.05	561	5	0.0057	1156	Pass
Violet	B	V450	65	61.78	455	-3	0.0393	1640	Pass
Violet	A	V500	108	38.55	471	-3	0.0218	1393	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.89	-32.24	1.08
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.58	13.60 - 20.40	N/A	N/A	29.46	30.12	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10683

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments